

Sequence	7,	Appl
Sequence 151,	Appl	
Sequence 161,	Appl	
Sequence 555,	Appl	
Sequence 15,	Appl	
Sequence 7727,	Appl	
Sequence 822,	Appl	
Sequence 2685,	Appl	
Sequence 59,	Appl	
Sequence 606,	Appl	
Sequence 694,	Appl	
Sequence 5,	Appl	
Sequence 68,	Appl	
Sequence 13312,	A	
Sequence 20733,	A	
Sequence 214,	Appl	
Sequence 3972,	Appl	
Sequence 110,	Appl	
Sequence 99,	Appl	
Sequence 100,	Appl	
Sequence 100,	Appl	
Sequence 98,	Appl	
Sequence 98,	Appl	
Sequence 2124,	Appl	
Sequence 71,	Appl	

QY	241	TTTGTGGCCCTGATACAGTGTCTTGAGGGGCCATATTGCGCTCATGGCA	300	Db	1321	AATGCAGGGCTGACTATAGTCACAGGGCACGGTGTCTGAAGCCAGGAGAC	1380
Db	241	TTGTGGCCCTGATACAGTGTCTTGAGGGGCCATATTGCGCTCATGGCA	300	QY	1381	CAGAGGAACTTCRCGCTGGCATAATTGAGACATTTGGAGGAGATGACACTC	1440
QY	301	TCTTAITGAAGTCATCACCTCACCCTCTCAGAGAGGGGAGTGACATTAGA	350	Db	1381	CAGAGGAACTTCRCGCTGGCATAATTGAGACATTTGGAGGAGATGACACTC	1440
Db	301	TCTTAITGAAGTCATCACCTCACCCTCTCAGAGAGGGGAGTGACATTAGA	350	QY	1441	TTGTAAGGTGAGCAATTGCGCATATTGAGACATTTGGAGGAGATGACACTC	1500
QY	361	ACACGACACACCACATTTGGCTCTGGAACTGAACTGCTCCAACTTGAGCA	420	Db	1441	TTGTAAGGTGAGCAATTGCGCATATTGAGACATTTGGAGGAGATGACACTC	1500
Db	361	ACACGACACACCACATTTGGCTCTGGAACTGAACTGCTCCAACTTGAGCA	420	QY	1501	GCAATTATGACACTCTTCCTTCCCTCGGGCTCTCCTAGCCCTCCCTGTC	1560
QY	421	CTGGGTTCTCTGCTCTGAGATACCTCTCTCTTAAATGAGGAGGAGGAGGAG	480	Db	1501	GCAATTATGACACTCTTCCTTCCCTCGGGCTCTCCTAGCCCTCCCTGTC	1560
Db	421	CTGGGTTCTCTGCTCTGAGATACCTCTCTCTTAAATGAGGAGGAGGAGGAG	480	QY	1561	GTACCATTTGGATGAGTACCATGAGCAGCATTTCACTTTGAGGAGTATC	1620
QY	481	ATTCGCTGGATCTGGACCTTACCATGATGTTAGGGAGGAGGAGGAGGAG	540	Db	1561	GTACCATTTGGATGAGTACCATGAGCAGCATTTCACTTTGAGGAGTATC	1620
Db	481	ATTCGCTGGATCTGGACCTTACCATGATGTTAGGGAGGAGGAGGAGGAG	540	QY	1621	GTCAGTGGAGTATGCTTTATGGAGGAGCTGCAAGATCAACATCA	1680
QY	541	ATCAMTGGCATCTGCTGCTACGATTCAGATCCAACTTCTCAANTAC	600	Db	1621	GTCAGTGGAGTATGCTTTATGGAGGAGCTGCAAGATCAACATCA	1680
b	541	ATCAMTGGCATCTGCTGCTACGATTCAGATCCAACTTCTCAANTAC	600	QY	1681	ACAGTCATGTCCTTGGAGGAGCTGCAACATCAACATCA	1740
QY	601	CGAGCTCTCTCTCACCCCTGCTGGAGATATTTGCTACACTCTGCTTATGATT	660	Db	1681	ACAGTCATGTCCTTGGAGGAGCTGCAACATCAACATCA	1740
Db	601	CGAGCTCTCTCTCACCCCTGCTGGAGATATTTGCTACACTCTGCTTATGATT	660	QY	1741	GAAGACACATATGGGAGTTGAAATCAGAATGATGAACTGTGAAACTAAGGT	1800
QY	661	CTGGGAGCTCTCCCTGCTGGAGCTGGAGGAGCTGCAAGGAGACTGCAACATCA	720	Db	1741	GAAGACACATATGGGAGTTGAAATCAGAATGATGAACTGTGAAACTAAGGT	1800
Db	661	CTGGGAGCTCTCCCTGCTGGAGCTGGAGGAGCTGCAAGGAGACTGCAACATCA	720	QY	1801	AAATAATGATGAGGAGGAACTGAGAAGGAACGAAACTTCTCATGGCCCTGGTA	1860
QY	721	TTTCAGTGTGCTCTGGCTGGGGCGAGATAAACGAGCTGCTTCTCAANTAC	780	Db	1801	AAATAATGATGAGGAGGAACTGAGAAGGAATTCCTCATGGCCCTGGTA	1860
Db	721	TTTCAGTGTGCTCTGGCTGGGGCGAGATAAACGAGCTGCTTCTCAANTAC	780	QY	1861	CGAAATGGATGAGCTGGAATCATGAGTGGAACTGAGATGGATGAGA	1920
QY	781	ATSCACAAAAAGTACCGACAGACAACCGGAAATATGAAATCCTATTCTAGATGGGAC	900	Db	1861	CGAAATGGATGAGCTGGAATCATGAGTGGAACTGAGATGGATGAGA	1920
Db	781	ATSCACAAAAAGTACCGACAGACAACCGGAAATATGAAATCCTATTCTAGATGGGAC	900	QY	1921	GAGGAGGCOAGAGGATGAGATGGAAACCCAGTTGGTGACACCCAAACTA	1980
QY	841	CACCTAAGGGCATTTGAGATGGGGAAATATGAAATCCTATTCTAGATGGGAC	900	Db	1921	GAGGAGGCOAGAGGATGAGATGGAAACCCAGTTGGTGACACCCAAACTA	1980
Db	841	CACCTAAGGGCATTTGAGATGGGGAAATATGAAATCCTATTCTAGATGGGAC	900	QY	1981	GAAGTCATCATGGGAGGAGCTTGAAGACTGAGCTTGAAGAACTGTCAGA	2040
QY	901	CTGGTGCCTCTGGGGAGGAGGAGTGGATGATCCCGAGAGAGATGATCCGGATTCTC	960	Db	1981	GAAGTCATCATGGGAGGAGCTTGAAGACTGAGCTTGAAGAACTGTCAGA	2040
Db	901	CTGGTGCCTCTGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	960	QY	2041	ACAAACCTGGCCCTGGGAGGAGGACCATTCCTGGGGAGGAGCTTGAACACCCAACTA	2100
QY	961	AASGATCTGAAGAAACACCCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	1020	Db	2041	ACAAACCTGGCCCTGGGAGGAGGACCATTCCTGGGGAGGAGCTTGAACACCCAACTA	2100
Db	961	AASGATCTGAAGAAACACCCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	1020	QY	2101	ACGGTCAGTGAGCAGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	2160
QY	1021	TACTATGCTCTTCCACCAACAGAGAGGCGGCCCTACCGTATCAGGACTGCT	1080	Db	2101	ACGGTCAGTGAGCAGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	2160
Db	1021	TACTATGCTCTTCCACCAACAGAGAGGCGGCCCTACCGTATCAGGACTGCT	1080	QY	2161	TGCCTTGACTACCTCATGCGACTTCTGAGGTGAGTGAATCCTGGGGAGGAGGAG	2220
QY	1081	ATGATGACTGGTCTACCGTGCCTGGAGACTGTGGGGTGTACTCTCAGGTC	1140	Db	2161	TGCCTTGACTACCTCATGCGACTTCTGAGGTGAGTGAATCCTGGGGAGGAGGAG	2220
Db	1081	ATGATGACTGGTCTACCGTGCCTGGAGACTGTGGGGTGTACTCTCAGGTC	1140	QY	2221	CCCCCACAGAGAGACTCCACCGCTGGCCCTCTCCCGTCCACATCCTCATGGC	2280
QY	1141	TCCAGCATGAGCCAGGTGACACCGATGAGCTGGGGTGTACTCTCAGGTC	1200	Db	2221	CCCCCACAGAGAGACTCCACCGCTGGCCCTCTCCCGTCCACATCCTCATGGC	2280
Db	1141	TCCAGCATGAGCCAGGTGACACCGATGAGCTGGGGTGTACTCTCAGGTC	1200	QY	2281	ATGCTCACGCCATCATGGGACCTGGCAGCTGGCTCCAGCATGGTCTCAA	2340
QY	1201	GACCCATGCTCTACCGTGCCTGGAGACTGTGGGGTGTACTCTCAGGTC	1260	Db	2281	ATGCTCACGCCATCATGGGACCTGGCAGCTGGCTCCAGCATGGTCTCAA	2340
Db	1201	GACCCATGCTCTACCGTGCCTGGAGACTGTGGGGTGTACTCTCAGGTC	1260	QY	2341	GATTCAGTCACAGCTGCTGTTCTGGCACTTGGCAGCTGGCTCCAGCATGGTCTCAA	2400
QY	1261	AAAGGGGAGACATGTCAGAGACATGTCAGAGACATGTCAGAGATGGTCTGCC	1320	Db	2341	GATTCAGTCACAGCTGCTGTTCTGGCACTTGGCAGCTGGCTCCAGCATGGTCTCAA	2400
Db	1261	AAAGGGGAGACATGTCAGAGACATGTCAGAGATGGTCTGCC	1320	QY	2401	ACCAACCTGGCCCTCCAGCATGAGGAGGAGGAGGAGGAGGAGGAG	2460
QY	1321	ATGCAAGGGCTACTATGAGTACAGAGGAGGAGGAGGAGGAGGAGGAG	1380				

Db 2401 AGCAAGCTGCTGCCCTCCAGGATGATATGGAGACGCCCTCATGGCAACGTGACGGGC 2460  
 Qy 2461 AGCAAGCCGCTCAATGCTTCTGGCATCGGCCTGCGCTGCGCCATCTAC 2520  
 Db 2461 AGCAACGCCGCTCAATGCTTCTGGCATCGGCCTGCGCCATCTAC 2520  
 Qy 2521 TGGCTCTGCAAGGACAGGAGTTCCAGGTTCAGGAGGTCACACTGGCTTCCTCGTAC 2580  
 Db 2521 TGGCTCTGCAAGGACAGGAGTTCCAGGTTCAGGAGGTCACACTGGCTTCCTCGTAC 2580  
 Qy 2581 CTCTCACCATCTTGATTCTGCTGATCAGCGTCCTGATCGGAAGGGGCCAC 2640  
 Db 2581 CTCTCACCATCTTGATTCTGCTGATCAGCGTCCTGATCGGAAGGGGCCAC 2640  
 Qy 2641 CTTGGGAGGGAGCTGGGGCCCGGGCGTCAAGCTGCCAACATGGCTTGTG 2700  
 Db 2641 CTTGGGAGGGAGCTGGGGCCCGGGCGTCAAGCTGCCAACATGGCTTGTG 2700  
 Qy 2701 AGCTGTGGCTCTACATACTCTTGGCCAACTAGAGGCCATGGCTACAGGG 2760  
 Db 2701 AGCTGTGGCTCTACATACTCTTGGCCAACTAGAGGCCATGGCTACAGGG 2760  
 Qy 2761 TTCTAA 2766  
 Db 2761 TTCTAA 2766

RESULT 2  
 US-10-054-680-5  
 ; Sequence 5, Application US/10054680  
 ; Patent No. US20020132998A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Friddle, Carl Johan  
 ; APPLICANT: Hilbun, Erin  
 ; TITLE OF INVENTION: No. US20020132998A1 tel Human Ion Exchanger Proteins and Polynucleic Acid Sequences  
 ; TITLE OF INVENTION: Same  
 ; FILE REFERENCE: LEX-0301-USA  
 ; CURRENT APPLICATION NUMBER: US/10/054, 680  
 ; CURRENT FILING DATE: 2002-01-22  
 ; PRIOR APPLICATION NUMBER: US 60/263, 384  
 ; PRIOR FILING DATE: 2001-01-23  
 ; NUMBER OF SEQ ID NOS: 5  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO 5  
 ; LENGTH: 3812  
 ; TYPE: DNA  
 ; ORGANISM: homo sapiens  
 ; JS-10-054-680-5

Query Match 100.0%; Score 2766; DB: 12; Length 3812;  
 Best Local Similarity 100.0%; Pred. No. 0; Mismatches 0; Indels 0; Gaps 0;  
 Matches 2766; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGGCGCGTGTAGGTGCAAGGCCTCACCCTTGCCCTCCATTTGGCTGGTAC 60  
 Db 618 ATGGCGCGTGTAGGTGCAAGGCCTCACCCTTGCCCTCCATTTGGCTGGTAC 677  
 Qy 61 TTGTGCTCTCTGATGTTCTGAGCAGGGCTTCAGGAGGAGTGGATGGTAC 120  
 Db 678 TTGTGCTCTCTGAGCAGGGCTTCAGGAGGAGTGGATGGTAC 737  
 Qy 121 AGGGGAGAAATGAGTCCTCTAGGTATCGACTGAGGGTTCATCCTG 180  
 Db 738 AGGGGAGAAATGAGTCCTCTAGGTATCGACTGAGGGTTCATCCTG 797  
 Qy 181 CCATCTGTTACCCGGAGACCCCTCCCTGGGACAGATGGTAC 240  
 Db 798 CCATCTGTTACCCGGAGACCCCTCCCTGGGACAGATGGTAC 857  
 Qy 241 TTGTGCGCTCTATACATGTTCTGGGCTCATGTTCTGACGGCTCATGCCA 300  
 Db 858 TTGTGCGCTCTATACATGTTCTGGGCTCATGTTCTGACGGCTCATGCCA 917

Qy 301 TCTATGAGTCATCACCTCTGAAGAGGGAGTAAAGAACCCATGGAGAA 360  
 Db 918 TCTATGAGTCATCACCTCTGAAGAGGGAGTAAAGAACCCATGGAGAA 977  
 Qy 361 ACCAGCACACCACTATTCGSGTCGATGAAACTCTGTCACCTGACCC 420  
 Db 978 ACCAGCACACCACTATTCGSGTCGATGAAACTCTGTCACCTGACCC 1037  
 Qy 421 CTGGTTCTCTCTCTGAGATACTCCCTCCTTAATGAGGTGTTGTCATGGTC 480  
 Db 1098 ATGCTGGTATCTGGACCTCTACCAATTGAGGTGTTGTCATGGTC 1157  
 Qy 541 ATCATGGCATCTGTCGATGGATACCTCTCTTAACTTGAGGTGTTG 600  
 Db 1158 ATCATGGCATCTGTCGATGGACCTCTACCAATTGAGGTGTTGTCACATGTTC 1217  
 Qy 601 CGAGTCCTCTCATCACGGCTCTGGAGTATCTGGCTACATCGGCTATATGTT 660  
 Db 1218 CGAGTCCTCTCATCACGGCTCTGGAGTATCTGGCTACATCGGCTATATGTT 1277  
 Qy 661 CTGGCAGCTCTCTCCCTGGTGGTGGCCAGGTGGAGGCTCCACATGTC 540  
 Db 1278 CTGGCACTCTCTCCCTGGTGGCCAGGTGGAGGCTCCACATGTC 1337  
 Qy 721 TTTCAGCTGTCGTCCTCTGCTGGTGGAGGCTCTCTACATCTCTC 780  
 Db 1338 TTTCAGCTGTCGTCCTCTGCTGGTGGAGGCTCTCTACATCTCTC 1397  
 Qy 781 ATGCCACAAAGTACCCACAGACAACACGGGAATACATAGACAGAGGGTC 840  
 Db 1398 ATGCCACAAAGTACCCACAGACAACACGGGAATACATAGACAGAGGGTC 1457  
 Qy 841 CACCTAGGGATGAGATGGGGAAATGATGATGATGCCATTCTAGATGGGAC 900  
 Db 1458 CACCTAGGGATGAGATGGGGAAATGATGATGCCATTCTAGATGGGAC 1517  
 Qy 901 CTGGTGCCTGAAAGGGAGAAGTGGATGGTGGGGAGAGGATGGATCGGATTC 960  
 Db 1518 CTGGTGCCTGGRAGGGAGTGGATGGTGGCCAGGAGATGGATCGGATTC 1577  
 Qy 961 AAGGATCTGAAACAAACACCCAGAGAGGAGGATGATCACCTGGGAGATGGCAAT 1020  
 Db 1578 AAGGATCTGAAACAAACACCCAGAGAGGAGGATGATCACCTGGGAGATGGCAAT 1637  
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 Db 1698 ATGATGACTGGTCAGGAAATCTGAGAAACATGGAGCAACAGCCAGAAGGCC 1757  
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 Qy 1261 AAAGGGAGACATGTCACAGGACTGCTGAGGACTTATTCGAAGGCTCTCTC 1320  
 Db 1878 AAAGGGAGACATGTCACAGGACTGCTGAGGACTTATTCGAAGGCTCTCTC 1937  
 Qy 1321 ATGCAAGGGCTGACTATGAGTCACAGAGGGACGCTGAGGAGGCC 1380  
 Db 1938 ATGCAAGGGCTGACTATGAGTCACAGAGGGACGCTGAGGAGGCC 1997  
 Qy 1381 CAGAAGGGTCTCGTGGCATATACTGATGAGCACATTGAGGAGTGAACACTC 1440

Db	1998	CAGAAGGGATTCMCGTGGCAATAATGATGACGACATTTGAGGAGGATCACITC	2057
Qy	1441	TGTGAAGGTTGAGCAATGCGCATAGAGGAGGAGCAGGCCAGGGATGCCA	1500
Db	2058	TGTGAAGGTTGAGCAATGCCATAGAGGAGGAGCAGGCCAGGGATGCCA	2117
Qy	1501	GCAATATTCACAGCTCCCTGCCCAGGGCTGCTTAGGCCTCCCTGCGCAC	1560
Db	2118	GCAATATTCACAGCTCCCTGCCCAGGGCTGCTTAGGCCTCCCTGCGCAC	2117
Qy	1561	GTTTACCATCTTGATGATGACCATGCGGAGCAGGCCAGGGATGCCA	1620
Db	2178	GTTTACCATCTTGATGATGACCATGCGGAGCAGGCCAGGGATGCCA	2237
Qy	1621	GTCAGTGGAGTATGGTGTATGGAGGTCAAGGTCGGACATCGGTGCGGGT	1680
Db	2238	GTCAGTGGAGTATGGTGTATGGAGGTCAAGGTCGGACATCGGTGCGGGT	2297
Qy	1681	ACAGTCAGTCGCCCTTGGAGCAGTAGAGGAGCTTGAACTGTGAAAC	1740
Db	2298	ACAGTCAGTCGCCCTTGGAGCAGTAGAGGAGCTTGAACTGTGAAAC	2357
Qy	1741	GAAGACACATAGGGGATGGAATCAAGAATGATGAAAC	1800
Db	2358	GAAGACACATAGGGGATGGAATCAAGAATGATGAAAC	2417
Qy	1801	AATAATGATGATGAGGAGGATACGAAGCAGAGATTCCTCATGCC	1860
Db	2418	AATAATGATGAGGAGGATACGAAGCAGAGATTCCTCATGCC	2477
Qy	1861	CGGAATAGTGGATGAACTCTGGAATACGAAGCAGAGATTCCTCATGCC	1920
Db	2478	CGGAATAGTGGATGAACTCTGGAATACGAAGCAGAGATTCCTCATGCC	2537
Qy	1921	GAGGAGCCAGAGGATAGCAGAGATGGGAAGCCAGTATGGTGAAC	1980
Db	2538	GAGGAGCCAGAGGATAGCAGAGATGGGAAGCCAGTATGGTGAAC	2597
Qy	1981	GAGTCATCATATGAGGATCTATGAGTCTAGACTACGGTGACAA	2040
Db	2598	GAGTCATCATATGAGGATCTATGAGTCTAGACTACGGTGACAA	2657
Qy	2041	ACAACCTGGCCTGGGTTGGGACCCATTCTGGAGGAGCAGTCAGSAGGCATC	2100
Db	2658	ACAACCTGGCCTGGGTTGGGACCCATTCTGGAGGAGCAGTCAGSAGGCATC	2717
Qy	2101	ACCGTCAGTCAGCAGCAGGGATGAGGATGAACTCCGGGAGGAGGCTGCC	2160
Db	2718	ACCGTCAGTCAGCAGCAGGGATGAGGATGAACTCCGGGAGGAGGCTGCC	2777
Qy	2161	TCTTGTACTAGTCATGCCACTCTCTGACTCTGCTCTGGAAAGGTGCTG	2220
Db	2778	TCTTGTACTAGTCATGCCACTCTGACTCTGCTCTGGAAAGGTGCTG	2837
Qy	2221	CCCCCAGAGTACTGCCACGGCTGGCTCTGGGACCATCTGTC	2280
Db	2838	CCCCCAGAGTACTGCCACGGCTGGCTCTGGGACCATCTGTC	2897
Qy	2281	ATGTCACGCCATCATGGGACCTGGCCTGCGACTCTGGCTGCC	2340
Db	2898	ATGTCACGCCATCATGGGACCTGGCCTGCGACTCTGGCTGCC	2957
Qy	2341	GATTCAGTCACGCTGTTTCGRCGCTTGGCACCTGCGCTGCC	2400
Db	2958	GATTCAGTCACGCTGTTTCGRCGCTTGGCACCTGCGCTGCC	3017
Qy	2401	AGCAAGGCTGCTCTGGCATGCCCTGGCTGCC	2460
Qy	3018	AGCAAGGCTGCTCTGGCATGCCCTGGCTGCC	3077
Db	2461	AGCAAGGCCGCAATGCTCTGGCATGCCCTGGCTGCC	2520
Db	3078	AGCAAGGCCGCAATGCTCTGGCATGCCCTGGCTGCC	3137
Qy	2521	TGGCTCTCGAGGAGCAGGATTCACCGTGTGCGGCCACACTGGCCTCTCGTCACC	2580
Db	3138	TGGCTCTCGAGGAGCAGGATTCACCGTGTGCGGCCACACTGGCCTCTCGTCACC	3197
Qy	2581	CTCTTCACCATCTTGCATTTGTCATCAGCGCTCTGTCACGCGCTCTGCGCAC	2640
Db	3198	CTCTTCACCATCTTGCATTTGTCATCAGCGCTCTGTCACGCGCTCTGCGCAC	3257
Qy	2641	CTGGAGGGAGCTGGTGGCCCGTGTGCGCACACTGGCCTCTG	2700
Db	3258	CTGGAGGGAGCTGGTGGCCCGTGTGCGCACACTGGCCTCTG	3317
Qy	2761	TTCMA 2766	
Db	3378	TTCMA 3383	
RESULT 3			
Sequence 1, Application US#09804474A			
; Patent No. US2002019518A1			
; GENERAL INFORMATION:			
; APPLICANT: KODET - Stefan et al			
; TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,			
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS			
; TITLE OF INVENTION: AND USES THEREOF			
; FILE REFERENCE: CL000891			
; CURRENT APPLICATION NUMBER: US#09/474A			
; NUMBER OF SEQ ID NOS: 4			
; SOFTWARE: FastSeq for Windows - Version 4.0			
; SEQ ID NO: 1			
; LENGTH: 2782			
; TYPE: DNA			
; ORGANISM: Human			
US-09-804-474A-1			
Query Match			
Best Local Similarity 99.8%; Score 2761.2; DB 10; Length 2782;			
Matches 2763; Conservative 99.9%; Pred. No. 0; Mismatches 0; Indels 0; Gaps 0;			
Qy	1	ATGGCGTGTAAAGTGTGAGCTCTCACCTCTGCCATTGGCTGTGTA	60
Db	10	ATGGCGTGTAAAGTGTGAGCTCTCACCTCTGCCATTGGCTGTGTA	69
Qy	61	TGGTGCCTCTCTGAAATGGCTCTGAGGCTGGCTGAGGGACGTCAG	120
Db	70	TGGTGCCTCTGAAATGGCTCTGAGGCTGGCTGAGGGACGTCAG	129
Qy	121	ACGGCGAACATGAGTCCTTCAGGTCAGGAGGTGTCATCTG	180
Db	130	ACGGCGAACATGAGTCCTTCAGGTCAGGAGGTGTCATCTG	189
Qy	181	CCATCTGTTACCGAGACCTTCCCTGGGACAGATGCCAGGTCTAT	240
Db	190	CCATCTGTTACCGAGACCTTCCCTGGGACAGATGCCAGGTCTAT	249
Qy	241	TGGTGCCTGTATACATGTTGGCTCTGGGTGTCATGCGCTCATG	300
Db	310	TGGTGCCTGTATACATGTTGGCTCTGGGTGTCATGCGCTCATG	309
Qy	361	ACCGAGCAACCACTATCGGGCTGGGATGAAACTGCTCAACCTGAC	420





QY 3510 GGGATATTCAGAGCTTCCTTGGCCGCGGGTGCTTAGCTCCCTTGCCACCA 3569

QY 1561 GTTACCATCTTGTGATGTTGACCTGAGCACTTCACTTTGAATGTATCTATC 1620

Db 3570 GTTACCATCTTGTGATGTTGACCTGAGCACTTCACTTTGAATGTATCTATC 3629

QY 1621 GTCACTGAGACTATTGTTAGGAGCTTCAAGGAGCTTCAAGGAGCTTCA 1680

Db 3630 GTCACTGAGACTATTGTTAGGAGCTTCAAGGAGCTTCAAGGAGCTTCA 3689

QY 1681 AGAGTCATGTCGCCCTTGTAGGAGCTTCAAGGAGCTTCAAGGAGCTTCA 1740

Db 3690 AGAGTCATGTCGCCCTTGTAGGAGCTTCAAGGAGCTTCAAGGAGCTTCA 3749

QY 1741 GAAGACACATATGGGGAGTGGAAATCAGAAGTGTAACTGTGAA 1788

Db 3750 GAAGACACATATGGGGAGTGGAAATCAGAAGTGTAA 3797

RESULT 5

US-10-054-680-3

; Sequence 3, Application US/10054680

; Patent No. US20020132998A1

; GENERAL INFORMATION:

; APPLICANT: Fiddle, Carl Johan

; TITLE OF INVENTION: Human Ion Exchanger Proteins and Polynucleic Acid Reference: LEX-0301-USA

; CURRENT APPLICATION NUMBER: US/10/054,680

; CURRENT FILING DATE: 2002-01-22

; PRIOR APPLICATION NUMBER: US 60/263, 384

; PRIORITY FILING DATE: 2001-01-23

; NUMBER OF SEQ ID NOS: 5

; SOFTWARE: FAST-SEQ for Windows Version 4.0

; SEQ ID NO 3

; LENGTH: 1863

; TYPE: DNA

; ORGANISM: homo sapiens

; US-10-054-680-3

Query Match Best Local Similarity 64.5%; Score 1784.6; DB 12; Length 1863; Matches 1784; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGCGNGTAAAGTGTGGCCAGCTCTCACCTTGCGCTCTCATTTGGGCTGGTAC 60

Db 1 ATGGCGNGTAAAGTGTGGCCAGCTCTCACCTTGCGCTCTCATTTGGGCTGGTAC 60

QY 61 TTTGTCCTCTCTGTGATGTCCTTGAGGCTGAGGCCTGCTTCAGGGCTGCTCAG 120

Db 61 TTTGTCCTCTCTGTGATGTCCTTGAGGCTGAGGCCTGCTTCAGGGCTGCTCAG 120

QY 121 ACAGGGAGAGAATGAGTCTCTTCAGGTGATCGACTGAAAGGGGGTTCATCTG 180

Db 121 ACAGGGAGAGAATGAGTCTCTTCAGGTGATCGACTGAAAGGGGGTTCATCTG 180

QY 181 CCAATCCTGTTACCCGGAGACCTTCCCTSGGACAGATGGCAGGTCAATGGAGA 180

Db 181 CCAATCCTGTTACCCGGAGACCTTCCCTSGGACAGATGGCAGGTCAATGGAGA 180

QY 241 TTGTGCCCTGATACATGTCCTTGGGTCTCATCTGTCAGCCCTCATGCA 300

Db 241 TTGTGCCCTGATACATGTCCTTGGGTCTCATCTGTCAGCCCTCATGCA 300

QY 301 TCTATGGAGTCACTCTCAAGAGAGGGAGTCAATGGACATGTCAGATGGCTAT 240

Db 301 TCTATGGAGTCACTCTCAAGAGAGGGAGTCAATGGACATGTCAGATGGCTAT 240

QY 1321 AATGCAAGGGCTGACTATGAGTCAAGAGGAGCTGAGGAGCTGAGGAGCTT 1380

Db 1321 AATGCAAGGGCTGACTATGAGTCAAGAGGAGCTGAGGAGCTGAGGAGCTT 1380

QY 1381 CAGAGGAGTCTCCGGGCTATATGAGTCAAGAGGAGCTGAGGAGCTGAGGAGCTT 1440

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QY 1441 TTGTAAAGTGTGAGCAATGTCGCCATAGAGGAGGAGCCAGGGATGCTCC 1500

Db 1441 TTGTAAAGTGTGAGCAATGTCGCCATAGAGGAGGAGCCAGGGATGCTCC 1500



Db	1627	TACGAATTACCGAAGGAACTGNGGCTTAAGCTGGAGACCCAGAGAAATCAGA	1686	Oy	2344	TCAGTCACAGCTGTGTTTGCINGCAATTGCCACCTCTGTCGCCAGTACGTTGCCAGC	2403
Oy	1396	GTTGGCATATAATTGATGACGACATTTCAGGAGGATGACACTCTTGTAAGGTGAGC	1455	Db	2758	TCCGTGACCGCGGGTGGTGGCTGCGCTGGAACTCATGTCAGTCAGTCAGC	2817
Db	1687	CTTGGCACATCATGATGATGACATCTTGTAGGAGGATGAGAAATTGTCATCTCAGC	1746	Oy	2404	AAGCTGCTCCCTCAGGATGATATGAGCAGACGCCATGCAAGCTGAGGGCAGC	2463
Oy	1456	AATGTCGCATAGAGGAGGAGGCCAGAGGGGATGCCAGCAATATCACACT	1515	Db	2818	AAAGTGGCCACCCAGGACAGTATCGGATGATCATAGTAACTGTCACAGGGAGC	2877
Db	1747	AACGTCAAAGTATCTTGTGAGGCTCGGAAGGCCATCTGGAGG	1797	Oy	2464	AACGCCCTCAATGTCCTGCTSGGATGGGCCATGGCCCTGTCGGCCCATCTACTCG	2523
Oy	1516	CCTCCCTTGGCCCTGGGCTGTCATGCCCTTGTCGGCCAGTGTACCATCTTGGAT	1575	Db	2878	AACGGGTGAAGCTCTCTCTGGGATCGGCTGCGCTGTCATGCCACATCTACAC	2937
Db	1798	CTATGTCCTACCTTGCTGCTGGATGCCCTCCACTGCCCC	1857	Oy	2524	GCTTCAGGGACAGGGTTCACGTCGGCCGCAACTGCCCCTCTCCGTCACCC	2583
Db	1918	GCCATCATGAGGTGAAGGTCCTGAGAACATCTGGAGACAGTCATGTCATGTC	1977	Db	2938	GGGGCCACGGGACAGCTTCAGAGTCAGTCAGTCAGTCAGTCAGTCAGTC	2997
Oy	1636	GGTGTATGGAGGTCAGGGTCAAGGTTGCGGACATAGGTGCCGGGATACATGTC	1695	Oy	2584	TTCAACCATCTTGCAATTGTCATGCGCATAGCGTCCTGTACCGAATGTC	2643
Oy	1797	TATAAGGACATGGGGGACCCGCGCAGAGTGGACTTTGAAAGACATATGG	1755	Db	2998	TTTACCACTTGTGCAATTGTCATGCGCATAGCGTCCTGTACCGAATGTC	3057
Oy	1756	GAGTTGGAACTCAAGAATGTAAGTGAACCTTAAATTAGTAGATG	1815	Oy	2644	GGAGGGAGCTGGTGSCCCCGGTGSTGCAAGCTGTCACAAAGTGCCTCTG	2703
Db	2038	TCTTAGGACATGGTCAGAACATGACGAAATGTCACAAACATATGATG	2097	Db	3058	GGAGTGTAGCTGGTGGCCCCGGACTCCAAAGCTCCACATCTGCCTCTG	3117
Oy	1816	GAGGAATACGAAAGCAGAGAATTCTCATGCCCTGGTGAACCGGAATGATGG	1873	Oy	2704	CTGTTGCTCTACATACTCTTGCACACTAGAGGCTATGTCATCAAGGGTC	2763
Db	2098	GAGGAGTATGAGAAAACAAGACCTCTCTCTGAGATGGAGGAGGCCCTG	2157	Db	3118	CTGGGCTCTGTCATCTCTCTCCCTGGAGGCTACTGCCACATAAAAGGCTC	3177
Oy	1874	-----	-----	Oy	2764	TAA	2766
Db	2158	ATGAGTGTAGAAAGAACGGCTGTATTGATGACCTTGGTGGCTCACATAACGGAA	1882	Db	3178	TAA	3180
Oy	1883	TATCAGATGTGACAGACAG	-----	RESULT	7		
Db	2218	TACCTGTATGGCCAGCCTGTCAGGAATGTCATGTCACCTCCCT	2277	US-09-864-761-16939			
Oy	1902	-----	-----	Sequence	16939	Application	US/09864761
Db	2278	ACTATAATCACCATCGCAGGATATGTCAGACAGCAGCCACTGACGCCAG	2337	Patent No.	US20020048763A1		
Oy	1984	GAGGCCAAGGAGATAGAGAGTGGGAAGCCAGTATGGTGAACACCCAACTAGAA	2043	GENERAL INFORMATION:			
Db	2398	GTGATCATGAGAACATCTACCACTGCAAGACTACCCGGACAACTGATGAAAGCA	2457	APPLICANT:	Penn, Sharron G.		
Oy	2044	AACTCTGCCCTGGGGACCCATTCCTGAGGGACCACTGGAGAACACACATGG	2103	APPLICANT:	Rank, David R.		
Db	2458	AACTAGGCCCTGGGGACACAGCTGGAGAGAACATGAGGAGGATACCT	2517	APPLICANT:	Hanzel, David K.		
Oy	2104	GTCAGTCAGGAGGGATGAGATGATCCGGGAGAGGCTGCTCCCGC	2163	APPLICANT:	Chen, Wensheng		
Db	2518	GTCAGTCAGGAGGGATGAGATGAGATGATCCGGGAGAGGCTGCTCCCGC	2577	TITLE OF INVENTION:	HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES		
Oy	2164	TTGACTACTGTCATGCACTCTGACTCTTGAAAGGTGCTTGCCCTGTG	2223	TITLE OF INVENTION:	GENE EXPRESSION ANALYSIS BY MICROARRAY		
Db	2578	TTGACTACTGTCATGCACTCTGACTCTTGAAAGGTGCTTGCCCTGTG	2637	FILE REFERENCE:	Ascomia-X-1		
Oy	2224	CCACAGAGTACTGCCAGCGCCTGGCCCTGTCGGCCCTGTCATCATGTC	2283	CURRENT APPLICATION NUMBER:	US/09/864,761		
Db	2638	CGCACAGAGTACTGGAAACGGCTGGCCCTGTCGGCCCTGTCATGTC	2697	CURRENT FILING DATE:	2001-05-23		
Oy	2284	CTCACGCCATCTGGGACTCTGCACTCTGGCTGTCCTGGCTGTC	2343	PRIOR APPLICATION NUMBER:	US 60/180,312		
Db	2698	CTGACGCTTCATGGACCTCTGGCCATGGCACTGCGCTGAAAGT	2757	PRIOR FILING DATE:	2000-02-04		
Oy	2164	TTGACTACTGTCATGCACTCTGACTCTTGAAAGGTGCTTGCCCTGTG	2223	PRIOR APPLICATION NUMBER:	US 60/207,456		
Db	2578	TTGACTACTGTCATGCACTCTGACTCTTGAAAGGTGCTTGCCCTGTG	2637	PRIOR FILING DATE:	2000-05-26		
Oy	2224	CCACAGAGTACTGCCAGCGCCTGGCCCTGTCGGCCCTGTCATCATGTC	2283	PRIOR APPLICATION NUMBER:	US 09/632,366		
Db	2638	CGCACAGAGTACTGGAAACGGCTGGCCCTGTCGGCCCTGTCATGTC	2697	PRIOR FILING DATE:	2000-08-03		
Oy	2164	TTGACTACTGTCATGCACTCTGACTCTTGAAAGGTGCTTGCCCTGTG	2223	PRIOR APPLICATION NUMBER:	GB 24265,6		
Db	2578	TTGACTACTGTCATGCACTCTGACTCTTGAAAGGTGCTTGCCCTGTG	2637	PRIOR FILING DATE:	2000-10-04		
Oy	2224	CCACAGAGTACTGCCAGCGCCTGGCCCTGTCGGCCCTGTCATCATGTC	2283	PRIOR APPLICATION NUMBER:	US 60/236,359		
Db	2638	CGCACAGAGTACTGGAAACGGCTGGCCCTGTCGGCCCTGTCATGTC	2697	PRIOR FILING DATE:	2000-09-27		
Oy	2284	CTCACGCCATCTGGGACTCTGCACTCTGGCTGTCCTGGCTGTC	2343	PRIOR APPLICATION NUMBER:	PCT/US01/00666		
Db	2698	CTGACGCTTCATGGACCTCTGGCCATGGCACTGCGCTGAAAGT	2757	PRIOR FILING DATE:	2001-01-30		
Oy	2164	TTGACTACTGTCATGCACTCTGACTCTTGAAAGGTGCTTGCCCTGTG	2223	PRIOR APPLICATION NUMBER:	PCT/US01/00667		
Db	2578	TTGACTACTGTCATGCACTCTGACTCTTGAAAGGTGCTTGCCCTGTG	2637	PRIOR FILING DATE:	2001-01-30		
Oy	2224	CCACAGAGTACTGCCAGCGCCTGGCCCTGTCGGCCCTGTCATCATGTC	2283	PRIOR APPLICATION NUMBER:	PCT/US01/00664		
Db	2638	CGCACAGAGTACTGGAAACGGCTGGCCCTGTCGGCCCTGTCATGTC	2697	PRIOR FILING DATE:	2001-01-30		
Oy	2284	CTCACGCCATCTGGGACTCTGCACTCTGGCTGTCCTGGCTGTC	2343	PRIOR APPLICATION NUMBER:	PCT/US01/00668		
Db	2698	CTGACGCTTCATGGACCTCTGGCCATGGCACTGCGCTGAAAGT	2757	PRIOR FILING DATE:	2001-01-30		
Oy	2164	TTGACTACTGTCATGCACTCTGACTCTTGAAAGGTGCTTGCCCTGTG	2223	PRIOR APPLICATION NUMBER:	PCT/US01/00663		
Db	2578	TTGACTACTGTCATGCACTCTGACTCTTGAAAGGTGCTTGCCCTGTG	2637	PRIOR FILING DATE:	2001-01-30		
Oy	2224	CCACAGAGTACTGCCAGCGCCTGGCCCTGTCGGCCCTGTCATCATGTC	2283	PRIOR APPLICATION NUMBER:	PCT/US01/00662		
Db	2638	CGCACAGAGTACTGGAAACGGCTGGCCCTGTCGGCCCTGTCATGTC	2697	PRIOR FILING DATE:	2001-01-30		
Oy	2284	CTCACGCCATCTGGGACTCTGCACTCTGGCTGTCCTGGCTGTC	2343	PRIOR APPLICATION NUMBER:	PCT/US01/00663		
Db	2698	CTGACGCTTCATGGACCTCTGGCCATGGCACTGCGCTGAAAGT	2757	PRIOR FILING DATE:	2001-01-30		







QY 2299 GGGGACCTGGCTCGACTTGGCTGACCATTTGGCTCAAGATTCAGTCACAGCTGT 2358  
 ; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.3  
 ; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.68  
 Db 186 GGAGACCTGGCTCCACTTGGCTGACCATTTGGCTGAAGATCTGTGACTGCAGTC 245  
 QY 2359 GTTTCGTTGGATTGGCACCTGTGCCAG 2389  
 Db 246 GTGTTGGCGCACTTGAAACATCAGTGCCAG 276

RESULT 11  
 US-09-864-761-102  
 Sequence 102, Application US/09864761  
 Patent No. US20020048763A1  
 GENERAL INFORMATION:  
 APPLICANT: Penn, Sharron G.  
 APPLICANT: Rank, David R.  
 APPLICANT: Hanzel, David K.  
 APPLICANT: Chen, Wensheng  
 TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
 FILE REFERENCE: Aeonica-X-1  
 CURRENT APPLICATION NUMBER: US/09-864, 761  
 CURRENT FILING DATE: 2001-05-23  
 PRIOR APPLICATION NUMBER: US 60/180, 312  
 PRIOR FILING DATE: 2000-02-04  
 PRIOR APPLICATION NUMBER: US 60/207, 456  
 PRIOR FILING DATE: 2000-05-26  
 PRIOR APPLICATION NUMBER: US 09/632, 366  
 PRIOR FILING DATE: 2000-08-03  
 PRIOR APPLICATION NUMBER: GB 24263, 6  
 PRIOR FILING DATE: 2000-10-04  
 PRIOR APPLICATION NUMBER: US 60/236, 359  
 PRIOR FILING DATE: 2000-09-27  
 PRIOR APPLICATION NUMBER: PCT/US01/00666  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00667  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00664  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00669  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00665  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00668  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00663  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00662  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00661  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00660  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: US 60/234, 687  
 PRIOR FILING DATE: 2000-09-21  
 PRIOR APPLICATION NUMBER: US 09/608, 408  
 PRIOR FILING DATE: 2000-06-30  
 PRIOR APPLICATION NUMBER: US 09/774, 203  
 PRIOR FILING DATE: 2001-01-29  
 NUMBER OF SEQ ID NOS: 4917  
 SOFTWARE: Anomax Sequence Listing Engine vers. 1.1  
 SEQ ID NO: 102  
 LENGTH: 459  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 FEATURE:  
 OTHER INFORMATION: MAP TO ACO07281.3  
 OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.64  
 OTHER INFORMATION: EXPRESSED IN HELA SIGNAL = 0.68  
 OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.69  
 OTHER INFORMATION: EXPRESSED IN HEART SIGNAL = 6.1  
 OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.83

; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.3  
 ; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.68  
 ; US-09-864-761-102  
 Query Match 5.9%; score 164.2; DB 10; Length 459;  
 Best local Similarity 64.1%; Pred. No. 2; 9e-38; Mismatches 138; Indels 27; Gaps 2;  
 Matches 294; Conservative 0; Mismatches 138; Indels 27; Gaps 2;  
 Db 1 TGTATTGTTGGTGGCTGAGGGAGAGAACAGGAGATAAGTTCATTGCGTGTCTGT 60  
 QY 555 TGCTCTAGTGATCCAGAGGGAGACTCCGAAGNTCAASCATCTACGGAGCTCTCAT 614  
 Db 61 GACAGGAGCTGGAGCATTTGCTTACACTGGCTTACATTATTGTGCTGTCTATC 120  
 QY 675 CCTGGGTGGTGGTGGAGCTTGGGAAGGCTCTCTACTCTCTCTCTCTCTCTCTCT 734  
 Db 121 TCTCTGGTGTGGAGGTCTGGGAAGTTGGCTTACTTCTCTCTCTCTCTCTCTCT 180  
 QY 795 CGCCACAGACAAACCGAGGAATTCATAGACAGCAGGGGTGACCC----- 845  
 Db 241 TCGAGCCTGGCAGCAGGGGATGATGACATGAGCAGACATGAGCAGACAGCCATCTCTAA 300  
 QY 846 TAAGGGCATGAGATGATGATGGAAATGATGATGATGCCATTCTCATGGAACCTGT 905  
 Db 301 GACTGAATTAAGTGGCAATTCCTCATGTTGAAAATTCTTAGATGG 360  
 QY 906 GCCCCCTGGAGGGAAG-----GAATGGTGGATGACTCCCAGAGAGAT 947  
 Db 361 TCTCTCTGGTCTGGAGGTGGATGAGGAGGACCAAGATGAGAAGCTAGGCAGAAT 420  
 QY 948 GATCCGGATTCGAAGATCTGAGCAAAACCCAGA 986  
 Db 421 GGCTAGGATTCTGAAGGAACTTAAGCAGAACATCCAGA 459

RESULT 12  
 US-09-864-761-17938/C  
 Sequence 17938, Application US/09864761  
 Patent No. US20020048763A1  
 GENERAL INFORMATION:  
 APPLICANT: Penn, Sharron G.  
 APPLICANT: Rank, David R.  
 APPLICANT: Hanzel, David K.  
 APPLICANT: Chen, Wensheng  
 TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
 FILE REFERENCE: Aeonica-X-1  
 CURRENT APPLICATION NUMBER: US/09-864, 761  
 CURRENT FILING DATE: 2001-05-23  
 PRIOR APPLICATION NUMBER: US 60/180, 312  
 PRIOR FILING DATE: 2000-02-04  
 PRIOR APPLICATION NUMBER: US 60/207, 456  
 PRIOR FILING DATE: 2000-05-26  
 PRIOR APPLICATION NUMBER: US 09/632, 366  
 PRIOR FILING DATE: 2000-08-03  
 PRIOR APPLICATION NUMBER: PCT/US01/00667  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00664  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00669  
 PRIOR FILING DATE: 2001-01-30



PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 09/632,366  
; PRIOR FILING DATE: 2000-08-03  
; PRIOR APPLICATION NUMBER: GB 24263,6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/235,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00566  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00567  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00564  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00569  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: US 09/632,366  
; PRIOR FILING DATE: 2000-08-03  
; PRIOR APPLICATION NUMBER: GB 24263,6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/180,312  
; CURRENT APPLICATION NUMBER: US/09/864,761  
; CURRENT FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/180,312  
; PRIOR FILING DATE: 2000-02-04  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 09/632,366  
; PRIOR FILING DATE: 2000-08-03  
; PRIOR APPLICATION NUMBER: PCT/US01/00566  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00563  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00564  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00565  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00566  
; PRIOR FILING DATE: 2001-01-30  
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; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00568  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00569  
; PRIOR FILING DATE: 2001-01-30  
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; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00564  
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; PRIOR FILING DATE: 2001-01-30  
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; PRIOR FILING DATE: 2000-09-27  
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; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00563  
; PRIOR FILING DATE: 2001-01-30  
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; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-06-30  
; PRIOR APPLICATION NUMBER: US 09/774,203  
; NUMBER OF SEQ ID NOS: 4917  
; SOFTWARE: Annonax Sequence Listing Engine vers. 1.1  
; SEQ ID NO: 20736  
; LENGTH: 128  
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; FEATURE:  
; OTHER INFORMATION: MAP TO AC007377.3  
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.68  
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.8  
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 0.86  
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.57  
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.92  
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.69  
; OTHER INFORMATION: NT HIT: X9/216.1, EVALUATE 3.00e-65  
; OTHER INFORMATION: SWISSPROT HIT: P34418, EVALUATE 2.00e-18  
; OTHER INFORMATION: EST-HUMAN HIT: T19754.1, EVALUATE 5.00e-06  
; US-09-864-761-20736  
; Query Match 2.2%; Score 60; DB 10; Length 128;  
; Best Local Similarity 72.2%; Pred. No. 5.7e-08; Indels 0; Gaps 0;  
; Matches 78; Conservative 0; Mismatches 30; Indels 0; Gaps 0;  
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.68  
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.8  
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 0.86  
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.57  
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.92  
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.69  
; US-09-864-761-3975  
; Query Match 2.2%; Score 60; DB 10; Length 467;  
; Best Local Similarity 72.2%; Pred. No. 1.5e-07; Indels 0; Gaps 0;  
; Matches 78; Conservative 0; Mismatches 30; Indels 0; Gaps 0;  
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.68  
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.8  
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 0.86  
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.57  
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.92  
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.69  
; US-09-864-761-3975  
; Sequence 3975, Application US/09864761  
; Patent No. US20020048763A1  
; GENERAL INFORMATION  
; APPLICANT: Penn, Sharron G.  
; APPLICANT: Rank, David R.  
; APPLICANT: Hanzel, David K.

RESULT 15  
; Sequence 3975, Application US/09864761  
; Patent No. US20020048763A1  
; GENERAL INFORMATION  
; APPLICANT: Penn, Sharron G.  
; APPLICANT: Rank, David R.  
; APPLICANT: Hanzel, David K.

QY 1966 GACACCCCAACTAGACTCATCATGAGACTATGGTCAG 2013  
Db 21 CTGACCAAGCAAGAGGAAGGAGAGGCATGCGAAATGGGCCCATCCCTGGGA 80  
; Search completed: November 30, 2002, 12:26:50  
; Job time : 128 secs

QY 1966 GACACCCCAACTAGACTCATCATGAGACTATGGTCAG 2013  
Db 346 GAGCACCAAGTTGGAGTGTCATGAGAATCCTATGATTCAAG 393  
Db 286 CTGACCAAGCAAGAGGAAGGAGAGGCATGCGAAATGGGCCCATCCCTGGGA 345

Tue Dec 3 11:07:40 2002

us-10-054-680-1.rnpb

Page 16